

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	6	("4800401" "4993801" "5408493" "5774248" "5786594" "5999345").PN. OR ("6992690").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:01
L3	32	((laser OR LED OR diode) NEAR (barrel OR cylinder OR tube)) SAME (slide OR sliding OR adjust\$3 OR moving) SAME collimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 13:09
L4	26	("4295152" "4604753" "4656635" "4730335").PN. OR ("4993801").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:11
L5	10	("3835414" "4319839" "4358659" "4562350" "4601452" "4720168" "4901325" "4959761" "4993801").PN. OR ("5645739").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:23
L6	21	("3835414" "4319839" "4358659" "4471415" "4562350" "4601452" "4687165" "4720168" "4901325" "4959761" "4993801").PN. OR ("5617441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:27
L7	10	("3819254" "4861137" "4910741" "4993801" "5042048" "5114476").PN. OR ("5262900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:33
L8	24	((laser OR LED OR diode) NEAR (mount)) SAME (slide OR sliding OR adjust\$3 OR moving) SAME collimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 13:50
L9	10	("4318594" "5140608" "5181224" "5216687" "5790576" "5900981" "6044096" "6384981" "6469294").PN. OR ("6873640").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 13:55
S1	26	(US-20050206716-\$ or US-20030137753-\$ or US-20040047389-\$ or US-20040100673-\$ or US-20020048171-\$).did. or (US-5870133-\$ or US-5671077-\$ or US-6208448-\$ or US-6038353-\$ or US-6977782-\$ or US-6671107-\$ or US-5936239-\$ or US-4868673-\$).did. or (US-20030137753-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/02 10:55
S2	68	("4342504" "4424523" "4424524" "4427275" "4435064" "4536778" "4549784" "4672400" "4821051" "4851862" "4875153" "4904862" "5036339" "5157249" "5196866" "5291248" "5430549" "5432535" "5471236" "5485190" "5515097" "5578818" "5668587" "5717451" "5764272" "5771061" "5818499" "6025858" "6115056" "6124924" "6181363").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:16
S3	2	"20050206717".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/02 12:52
S4	2	"6836280".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/02 12:52

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S5	6	("20030222967" "4578688" "5646767" "5905751" "6005703" "6671107").PN. OR ("6836280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 12:54
S6	6	("20030222967" "4578688" "5646767" "5905751" "6005703" "6671107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:32
S7	138	347/252.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 14:04
S8	143	347/252.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/02 14:04
S9	57	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME laser SAME (adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 10:42
S10	10	("20030222967" "4578688" "5113291" "5646767" "5905751" "5999345" "6005703" "6181363" "6283371" "6671107").PN. OR ("6933960").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 15:04
S11	17	("4297713" "4613877" "4982206" "5151811" "5191463" "5245481" "5267075" "5748355" "5781325").PN. OR ("6005703").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 15:14
S12	15	("4982206").URPN.	USPAT	OR	ON	2006/05/02 15:29
S13	8	("5805199" "5999345").PN. OR ("6181363").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 15:49
S14	8	("5416505" "5499107" "5506719" "5701191" "5758950" "5991063" "5997153" "6181363").PN. OR ("6333756").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 15:52
S15	42	("3631775" "5475415" "5694180" "5834766" "5838479").PN. OR ("5999345").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:03
S16	6	("20030222967" "4578688" "5646767" "5905751" "6005703" "6671107").PN. OR ("6836280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:27
S17	2	("6097749").PN. OR ("6343092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:37
S18	14	("4661959" "4677629" "4918702" "5048050" "5381438" "5448587" "5504350" "5600666" "5661747").PN. OR ("6097749").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:53
S19	1	"20010019564".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 16:53
S20	11	("20020012041" "4763334" "5131002" "5243619" "5758950" "5997153" "6097749" "6179445" "6479846" "6687283" "6771300").PN. OR ("6992279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 09:53
S21	10	("4661959" "5048050" "5448587" "5758050" "5758950" "5997153" "6097749" "6179445" "6299331").PN. OR ("6687283").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:11

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S22	11	("20020012041" "4763334" "5131002" "5243619" "5758950" "5997153" "6097749" "6179445" "6479846" "6687283" "6771300").PN. OR ("6992279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:15
S23	2	("5952649").PN. OR ("6771300").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:21
S24	34	("3898583" "4003074" "4237427" "4338577" "4399541" "4562579" "4567598" "4618958" "4661959").PN. OR ("4763334").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:31
S25	19	("4661959" "4672258" "4726648" "4763334").PN. OR ("4918702").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 17:51
S26	18	("4615031" "4916713" "4918702" "4991183").PN. OR ("5111476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 18:14
S27	1	"20020149666".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 09:53
S28	0	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME (two NEAR (bracket OR support) NEAR (laser OR LED OR diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 10:43
S29	0	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME (two SAME (bracket OR support) NEAR (laser OR LED OR diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 10:44
S30	0	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME (two NEAR (bracket OR support) SAME (laser OR LED OR diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 10:44
S31	13	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME (two SAME (bracket OR support) SAME (laser OR LED OR diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 12:27
S32	2	("6097749").PN. OR ("6343092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:47
S33	2	(collimat\$4 SAME (assembly OR apparatus OR housing)) SAME ((bracket OR support) SAME (laser OR LED OR diode)) NEAR (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 12:32
S34	10	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME ((bracket OR support) SAME (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 12:46

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S35	2	("6097749").PN. OR ("6343092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 12:41
S36	18	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME ((bracket OR support OR holder) SAME (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 14:23
S37	5	(collimat\$4 NEAR (assembly OR apparatus OR housing)) SAME ((bracket OR support OR holder) NEAR (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 13:02
S38	70	(collimat\$4) SAME ((bracket OR support OR holder) NEAR (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 14:19
S39	6	("4875777" "5054926" "5243405").PN. OR ("5373362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 13:41
S40	6	("4875777" "5054926" "5243405").PN. OR ("5373362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 14:18
S41	954	(collimat\$4) SAME ((bracket OR support OR holder) same (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 14:21
S42	2	(collimat\$4) SAME ((bracket OR support OR holder) same (laser OR LED OR diode)) NEAR (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 14:20
S43	22	(collimat\$4 NEAR (system)) SAME ((bracket OR support OR holder) SAME (laser OR LED OR diode)) SAME (movable OR adjust\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/03 14:25
S44	9	("3119185" "3957359" "4153340" "5191481" "5394430" "5581415").PN. OR ("6025963").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 14:27
S45	14	("4661959" "4677629" "4918702" "5048050" "5381438" "5448587" "5504350" "5600666" "5661747").PN. OR ("6097749").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 10:15
S46	19	("4661959" "4672258" "4726648" "4763334").PN. OR ("4918702").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:07

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S47	1	(flexible NEAR (wire OR lead)) SAME ((circuit NEAR board) OR board) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 11:10
S48	28	(flexible NEAR (wire OR lead)) SAME ((circuit NEAR board) OR board) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 12:53
S49	7	("4641023" "4907017" "4918702" "5148190" "5255015").PN. OR ("5870133").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:45
S50	4	("4634232" "5864739" "5870133").PN. OR ("6208448").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:47
S51	6	("5131002" "5243619" "5758950" "5997153" "6097749" "6179445").PN. OR ("6798820").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:48
S52	14	(barrel OR cylinder OR tube) SAME ((bracket OR holder OR support) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)) SAME (slid\$3 OR moveable OR move) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 13:04
S53	6	("4875777" "5054926" "5243405").PN. OR ("5373362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:59
S54	294	(barrel OR cylinder OR tube) SAME ((bracket OR holder OR support) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode)) SAME (slid\$3 OR moveable OR move) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 13:52
S55	11	("20020088129" "4638565" "4939863" "5090805" "5201122" "5359779" "5419050" "5836694" "6134793" "6366344" "6526666").PN. OR ("6796038").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:18
S56	74	("4726640" "5017987" "5069515" "5108843" "5304357" "5408113" "5448113" "5453650" "5459601" "5508477" "5510664" "5546216" "5557448" "5570224" "5574591" "5581392" "5606448" "5612599" "5633523" "5633744" "5652670" "5668413" "5717511" "5726699" "5739602" "5753907" "5769544" "5786594" "5793408" "5811353" "5875051" "5909966" "5936756" "5952649" "5969844" "5986791" "5999345" "6052211" "6069724" "6081386" "6091534" "6104522" "6141133" "6150698" "6150779" "6185026" "6198562" "6215974" "6222662" "6229638" "6233081" "6256133" "6281609" "6312108" "6324149" "6332669" "6347004" "6359717" "6367914" "6400917" "6429956" "6450618" "6465918" "6467881" "6485126" "6496293" "6497474").PN. OR ("6621512").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:24

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S57	22	("5007692" "5018806" "5113279" "5153768" "5210635" "5233188" "5347124" "5371608").PN. OR ("5753907").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:30
S58	6	("5864437").PN. OR ("5936239").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:51
S59	7	("4980549" "5068843" "5367399" "5783818" "5845981" "5883385" "5953294").PN. OR ("6038353").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:52
S60	1174	(barrel OR cylinder OR tube) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 13:53
S61	44	(barrel OR cylinder OR tube) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 13:55
S62	91	(barrel OR cylinder OR tube) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move OR moving OR adjust) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:23
S63	16	("4362819" "4391915" "4447550" "4697880" "4923281" "4941072" "5111476" "5121188" "5210650" "5216730" "5274502").PN. OR ("5418700").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:57
S64	18	("4615031" "4916713" "4918702" "4991183").PN. OR ("5111476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:02
S65	13	("4498737" "4923281" "5111476" "5381438" "5408493" "5561684" "5838703").PN. OR ("5905751").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:04
S66	10	("4965532" "5001649" "5195155" "5210650" "5421829" "5425704" "5694373" "5905751").PN. OR ("6351483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:08
S67	8	("4918702" "5111476" "5283802" "5335244").PN. OR ("5408493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:10
S68	7	("4514039" "5231278" "5631776" "5943153" "5979760").PN. OR ("6283371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:16
S69	14	("3817601" "3877794" "3951522" "4299470" "4336979").PN. OR ("4514039").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:18
S70	10	("4965532" "5001649" "5195155" "5210650" "5421829" "5425704" "5694373" "5905751").PN. OR ("6351483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:23
S71	13	("4498737" "4923281" "5111476" "5381438" "5408493" "5561684" "5838703").PN. OR ("5905751").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:23

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S72	2	(tubular) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move OR moving OR adjust) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 14:25
S73	2	(tubular) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move OR moving OR adjust) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 14:25
S74	209	(barrel OR cylinder OR tube OR tubular) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (slid\$3 OR moveable OR move OR moving OR adjust\$4) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 14:25
S75	27	("3655275" "3922064" "4009931" "4146300" "4193664" "4215913" "4296999" "4456334" "4649616" "4696538" "4753510" "4884861" "4889406" "5163114" "5181272" "5208888" "5247595" "5400674" "5422970" "5509093" "5584569" "5638472" "5917985").PN. OR ("6276843").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:31
S76	18	("4615031" "4916713" "4918702" "4991183").PN. OR ("5111476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:47
S77	8	("4918702" "5111476" "5283802" "5335244").PN. OR ("5408493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:49
S78	7	("5448587").URPN.	USPAT	OR	ON	2006/05/04 14:52
S79	31	("4342504" "4424523" "4424524" "4427275" "4435064" "4536778" "4549784" "4672400" "4821051" "4851862" "4875153" "4904862" "5036339" "5157249" "5196866" "5291248" "5430549" "5432535" "5471236" "5485190" "5515097" "5578818" "5668587" "5717451" "5764272" "5771061" "5818499" "6025858" "6115056" "6124924" "6181363").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:16
S80	0	(barrel OR cylinder OR tube or tubular) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) NEAR (rib OR groove OR guide\$rail OR rail) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:24
S81	10	(barrel OR cylinder OR tube or tubular) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (rib OR groove OR guide\$rail OR rail) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:25
S82	37	(barrel OR cylinder OR tube or tubular) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:26

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S83	0	((barrel OR cylinder OR tube or tubular) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4) and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:26
S84	0	((barrel OR cylinder OR tube or tubular) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)) and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:44
S85	0	((barrel OR cylinder OR tube or tubular OR mount) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)) and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:28
S86	45	(barrel OR cylinder OR tube or tubular OR mount) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:37
S87	10	("3835414" "4319839" "4358659" "4562350" "4601452" "4720168" "4901325" "4959761" "4993801").PN. OR ("5645739").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:32
S88	17	(barrel OR cylinder OR tube or tubular OR mount) SAME (rib OR groove OR guide\$rail OR rail OR guide) NEAR (wall) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:39
S89	1	(rib OR groove OR guide\$rail OR rail OR guide) NEAR (wall OR inner\$wall) NEAR (hold OR mount OR support OR space) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:41
S90	21	(rib OR groove OR guide\$rail OR rail OR guide) NEAR (wall OR inner\$wall) SAME (hold OR mount OR support OR space) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:42
S91	205	(rib OR groove OR guide\$rail OR rail OR guide) SAME (wall OR inner\$wall) SAME (hold OR mount OR support OR space) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:43
S92	8	(rib OR groove OR guide\$rail OR rail OR guide) SAME (wall OR inner\$wall) SAME (hold OR mount OR support OR space) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:00
S93	5	("4377036" "4654856").PN. OR ("5127734").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:44

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S94	10	((rib OR groove OR guide\$rail OR rail OR guide) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode)) and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 15:45
S95	14	("3817601" "3877794" "3951522" "4299470" "4336979").PN. OR ("4514039").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:55
S96	7	("4641023" "4907017" "4918702" "5148190" "5255015").PN. OR ("5870133").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:59
S97	1129	(rib OR groove OR guide\$rail OR rail OR guide) SAME (wall OR inner\$wall OR inside) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:00
S98	596	(rib OR groove OR guide\$rail OR rail) SAME (wall OR inner\$wall OR inside) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:01
S99	14	(rib OR groove OR guide\$rail OR rail) SAME (wall OR inner\$wall OR inside) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:02
S100	472	(rib OR groove OR guide\$rail OR rail) SAME (wall OR inner\$wall OR inside) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:02
S101	23	(rib OR groove OR guide\$rail OR rail) NEAR (wall OR inner\$wall OR inside) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:05
S102	3	(rib OR groove OR guide\$rail OR rail) NEAR (wall OR inner\$wall OR inside) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) SAME (center OR spac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:06
S103	15	(rib OR groove OR guide\$rail OR rail) NEAR (wall OR inner\$wall OR inside) SAME (center OR spac\$3) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:08
S104	29	(rib OR groove OR guide\$rail OR rail) NEAR (within OR wall OR inner\$wall OR inside) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:11

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S105	0	(rib OR groove OR guide\$rail OR rail) NEAR (within OR inside OR along) NEAR (wall OR inner\$wall OR inside) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:12
S106	0	(rib OR groove OR guide\$rail OR rail) NEAR (within OR inside OR along) NEAR (wall OR inner\$wall OR surface OR tube OR cylinder) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:12
S107	0	(rib OR groove OR guide\$rail OR rail) NEAR (within OR inside OR along) NEAR (wall OR inner\$wall OR surface OR tube OR cylinder OR barrel) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:12
S108	25	(rib OR groove OR guide\$rail OR rail) SAME (within OR inside OR along) NEAR (wall OR inner\$wall OR surface OR tube OR cylinder OR barrel) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:13
S109	253	(rib OR groove OR guide\$rail OR rail) SAME (within OR inside OR along) SAME (wall OR inner\$wall OR surface OR tube OR cylinder OR barrel) SAME (center OR spac\$3 OR clearance) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:13
S110	897	(rib OR groove OR guide\$rail OR rail) SAME (within OR inside OR along) SAME (wall OR inner\$wall OR surface OR tube OR cylinder OR barrel) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:14
S111	91	(rib OR groove OR guide\$rail OR rail) NEAR (within OR inside OR along) SAME (wall OR inner\$wall OR surface OR tube OR cylinder OR barrel) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:21
S112	39	("3102920" "3219585" "3222615" "3230474" "3339150" "3413567" "3423692").PN. OR ("3683296").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:17
S113	32	(LD OR (laser NEAR diode) OR LED OR laser OR diode) NEAR (holder OR mount OR tube OR barrel) SAME (rib OR groove OR guide\$rail OR rail) NEAR (within OR inside OR along)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:27
S114	764	(LD OR (laser NEAR diode) OR LED OR laser OR diode) NEAR (holder OR mount OR tube OR barrel) SAME (rib OR groove OR guide\$rail OR rail)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:27

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S115	249	(LD OR (laser NEAR diode) OR LED OR laser OR diode) NEAR (holder OR mount OR tube OR barrel) SAME (rib OR guide\$rail OR rail)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:29
S116	4	(LD OR (laser NEAR diode) OR LED OR laser OR diode) NEAR (holder OR mount OR tube OR barrel) NEAR (rib OR guide\$rail OR rail)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 16:27
S117	10	("3916435" "5384940" "5483103" "5500556").PN. OR ("5912804").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:37
S118	4	("5671077" "5886805" "6163333" "6664952").PN. OR ("6969846").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:41
S119	5	("5426265").PN. OR ("5754407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:42
S120	16	("4065198" "4206493" "4575785" "4631650" "4803599" "4897769").PN. OR ("5121311").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:44
S121	34	("3179738" "3213189" "3523269" "3573716" "3989343" "4453195" "4526431").PN. OR ("4580859").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 16:47
S122	9	(barrel OR cylinder OR tube or tubular) SAME (slot) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND collimat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:31
S123	237	(barrel OR cylinder OR tube or tubular) SAME (slot) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:31
S124	5	(barrel OR cylinder OR tube or tubular) NEAR (slot) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:31
S125	30	(barrel OR cylinder OR tube or tubular) NEAR (slot OR opening OR slit) NEAR (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:36
S126	2790	(barrel OR cylinder OR tube or tubular) NEAR (slot OR opening OR slit) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:36

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S127	233	(barrel OR cylinder OR tube or tubular) NEAR (slot OR opening OR slit) SAME (LD OR (laser NEAR diode) OR LED OR laser OR diode) AND lens	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:55
S128	38	(hold\$3 OR position\$2 OR fitting) NEAR (rib OR groove OR rail) NEAR (LED OR diode OR laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 17:57
S129	21	("4293826" "4393387" "4404571" "4420761" "4445126" "4474422" "4582954" "4796964" "4884857" "4892371" "4969137" "5010388" "5060237" "5213877" "5638508").PN. OR ("5432535").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 18:30
S130	289	diameter SAME (mount OR holder) NEAR (LED OR diode OR laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 18:32
S131	0	diameter NEAR (mount OR holder) NEAR (LED OR diode OR laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 18:32
S132	1	diameter NEAR (mount OR holder OR tubular) NEAR (LED OR diode OR laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 18:32
S133	326	diameter SAME (mount OR holder OR tubular) NEAR (LED OR diode OR laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 18:33
S134	74	diameter SAME (mount OR holder OR tubular) NEAR (LED OR diode OR laser) AND collimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/04 18:33
S135	79	("3824604" "3836917" "4090206" "4096486" "4107687" "4279483" "4297022" "4318597" "4364064").PN. OR ("4435064").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:31
S136	8	("5805199" "5999345").PN. OR ("6181363").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:40
S137	3	("6178029" "6181363" "6198562").PN. OR ("6690496").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:41
S138	4	("4653895" "5400063").PN. OR ("5818499").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:49

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S139	20	("4530574" "4878066").PN. OR ("5471236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:54
S140	20	("4253102" "4393387" "4445126" "4637679" "4728965" "4806951" "4900130" "4911526" "5018805" "5295143" "5305023" "5463418" "5471236" "5751462" "5802222" "5832155" "5835280").PN. OR ("6064417").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 11:04
S141	7	("4211469" "6064417" "6213651" "6328484").PN. OR ("6668113").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 11:06
S142	136	("3792284" "3809908" "3870396" "3976877" "4149072" "4161650" "4273413" "4347655" "4432604" "4446515" "4449244" "4461537" "4493113" "4533209" "4534616" "4535233" "4539476" "4542076" "4549782" "4549783" "4553811" "4580295" "4595839" "4612670" "4625333" "4647148" "4678264" "4720630" "4727248" "4807955" "4840451" "4844581" "4881789" "4897711" "4913511" "4945229" "4979787" "4986625" "4989934" "5005939" "5011246" "5039194" "5043775" "5093879" "5099307" "5104243" "5109453" "5117476" "5122893" "5136152" "5155786" "5159190" "5168537" "5202943" "5241614" "5259054" "5280191" "5285512" "5289345" "5295214" "5337391" "5337396" "5337398" "5345524" "5361244" "5414787" "5416668" "5416870" "5416871" "5416872" "5428704" "5432630" "5434747" "5446814" "5452387" "5455703" "5473715" "5475783" "5482658" "5499311" "5499312" "5515468" "5528408" "5535296" "5546281" "5548677" "5550941" "5561727" "5596663" "5636298" "5687267" "5708743" "5717533" "5734558" "5736782" "5751471" "5767999" "5774614" "5778127" "5812582" "5812717" "5815623" "5864468" "5879173" "5937114" "6061493" "6071017" "6142680" "Re36820").PN. OR ("6213651").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 11:18
S143	2459	(distance OR radius OR diameter) NEAR (between OR spac\$3 OR adjacent) NEAR (laser OR diode OR LED)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 11:19
S144	3061	(distance OR radius OR diameter) NEAR (between OR spac\$3 OR adjacent) NEAR (laser OR diode OR LED)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:20
S145	5	(distance OR radius OR diameter) NEAR (between OR spac\$3 OR adjacent) NEAR (laser OR diode OR LED) SAME (mount OR tube OR barrel) NEAR (diameter OR radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:21
S146	5	(distance OR radius OR diameter) NEAR (between OR spac\$3 OR adjacent) NEAR (laser OR diode OR LED) SAME (mount OR tube OR barrel OR holder OR support) NEAR (diameter OR radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:22

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S147	37	(distance OR radius OR diameter) NEAR (between OR spac\$3 OR adjacent) NEAR (laser OR diode OR LED) AND (mount OR tube OR barrel OR holder OR support) NEAR (diameter OR radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:25
S148	280	(distance OR radius OR diameter) NEAR (laser OR diode OR LED) AND (mount OR tube OR barrel OR holder OR support) NEAR (diameter OR radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:25
S149	39	(distance OR radius OR diameter) NEAR (laser OR diode OR LED) SAME (mount OR tube OR barrel OR holder OR support) NEAR (diameter OR radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 11:27
S150	2981	(distance OR radius OR diameter) NEAR (between) NEAR (laser OR diode OR LED)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 13:01
S151	1807	((distance OR radius OR diameter) NEAR (between) NEAR (laser OR diode OR LED)) NOT (etch\$3 OR layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 13:03
S152	963	((distance OR radius OR diameter) NEAR (between) NEAR (laser OR diode OR LED) AND lens) NOT (etch\$3 OR layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 13:04
S153	401	((distance OR radius OR diameter) NEAR (between) NEAR (laser OR diode OR LED) AND collimat\$3) NOT (etch\$3 OR layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/05 13:04
S154	2345	((laser OR LED OR diode) NEAR (holder OR bracket OR tube OR tubular)) SAME (slide OR sliding OR adjust\$3 OR moving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 10:00
S155	361	((laser OR LED OR diode) NEAR (holder)) SAME (slide OR sliding OR adjust\$3 OR moving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 10:00
S156	19	((laser OR LED OR diode) NEAR (holder)) NEAR (slide OR sliding OR adjust\$3 OR moving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 10:06

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S157	1	((laser OR LED OR diode) NEAR (holder)) NEAR (slide OR sliding OR adjust\$3 OR moving) SAME collimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 10:07
S158	45	((laser OR LED OR diode) NEAR (holder)) SAME (slide OR sliding OR adjust\$3 OR moving) SAME collimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/05/08 13:50
S159	6	("4800401" "4993801" "5408493" "5774248" "5786594" "5999345").PN. OR ("6992690").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 10:53